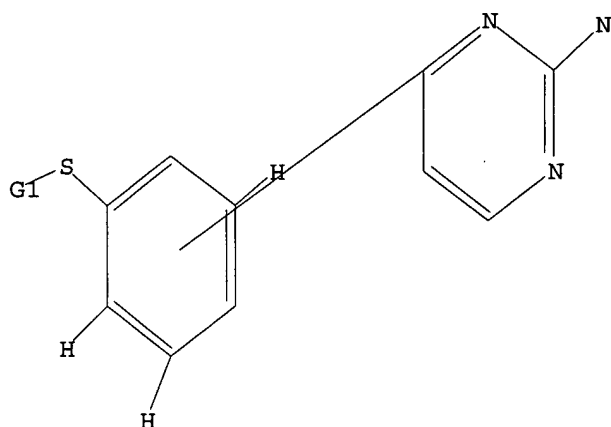


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=> s l1

SAMPLE SEARCH INITIATED 14:46:33 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1295 TO ITERATE

77.2% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

5 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 23742 TO 28058
PROJECTED ANSWERS: 5 TO 281

L2 5 SEA SSS SAM L1

=> s l1 sss full

FULL SEARCH INITIATED 14:46:44 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 25377 TO ITERATE

100.0% PROCESSED 25377 ITERATIONS
SEARCH TIME: 00.00.01

79 ANSWERS

L3 79 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
148.15	148.36

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 14:46:51 ON 11 APR 2003
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FILE COVERS 1907 - 11 Apr 2003 VOL 138 ISS 16
FILE LAST UPDATED: 10 Apr 2003 (20030410/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

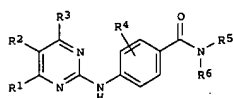
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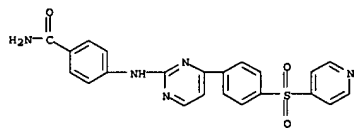
L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2002:449662 CAPLUS
 DOCUMENT NUMBER: 137:33310
 TITLE: Preparation of anilinothiazopyrimidines as IKK inhibitors
 INVENTOR(S): Koia, Adam; MacFarlane, Karen J.; Satoh, Yoshitaka; Bhagwat, Shripad S.; Parnes, Jason S.; Palanki, Moorthy S. S.; Erdman, Paul E.
 PATENT ASSIGNEE(S): Signal Pharmaceuticals, Inc., USA
 SOURCE: PCT Int. Appl., 194 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE
 WO 2002046171 A2 20020613 WO 2001-US46403 20011205
 WO 2002046171 A3 20030123
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG
 AU 2002020195 A5 20020618 AU 2002-20195 20011205
 PRIORITY APPLN. INFO.: US 2000-251816P P 20001206
 WO 2001-US46403 W 20011205
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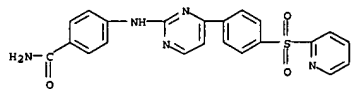


AB The title compds. [I; R1 = (un)substituted (hetero)aryl; R2 = H; R3 = H, alkyl; R4 = halo, OH, alkyl, alkoxy; R5, R6 = R8, (CH2)ACOR9, (CH2)ACOR9, etc.; or NR5R6 = (un)substituted heterocycle; R8, R9 = H, alkyl, aryl, etc.; a = 0-4] having activity as inhibitors of IKK, particularly IKK-2, were prepd. E.g., a multi-step synthesis of I (R1 = 4-ClC6H4; R2-R6 = H) having an IC50 of 1.0 μM in the IKK-2 enzyme assay, was given. Such compds. I have utility in the treatment of a wide range of conditions that are responsive to IKK inhibition. Thus, methods of treating such conditions are also disclosed, as are pharmaceutical compns. contg. one or

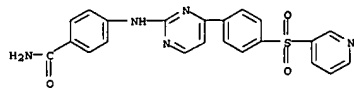
L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)



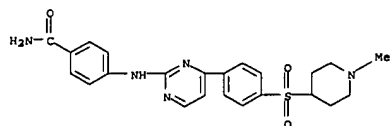
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RN 434944-96-4 CAPLUS
 CN Benzamide, 4-[[4-[(3-pyridinylsulfonyl)phenyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



RN 434944-99-7 CAPLUS
 CN Benzamide, 4-[[4-[(1-methyl-4-piperidinyl)sulfonyl]phenyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



RN 434945-00-3 CAPLUS
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CM 1

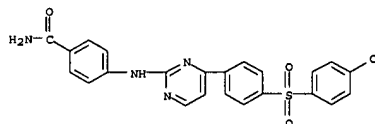
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L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)

more compds. of the above compds.
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 434945-01-4P 434945-04-7P 434945-05-8P
 434945-27-4P 434945-75-2P 434945-76-3P
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 434950-53-5P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of anilinothiazopyrimidines as IKK inhibitors)

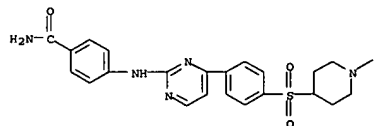
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RN 434944-91-9 CAPLUS
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L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)

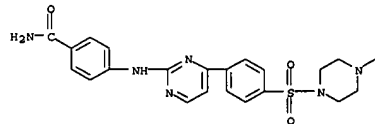
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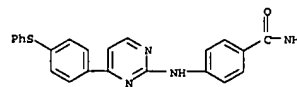
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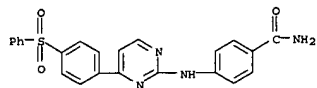


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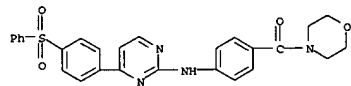


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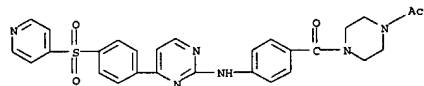
L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)
 RN 434945-05-8 CAPLUS
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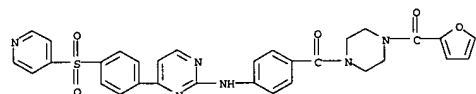
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 CN Morpholine, 4-[[4-[[4-(4-(phenylsulfonyl)phenyl)-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



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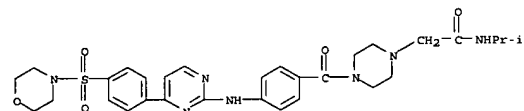


RN 434945-76-3 CAPLUS
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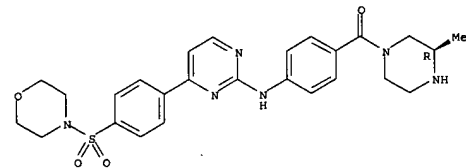
RN 434949-28-7 CAPLUS

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)

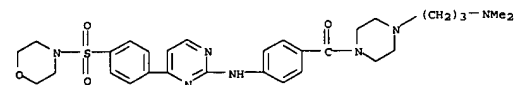


RN 434949-35-6 CAPLUS
 CN Piperazine, 3-methyl-1-[[4-[[4-(4-(morpholinylsulfonyl)phenyl)-2-pyrimidinyl]amino]benzoyl]- (3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

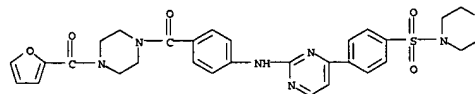


RN 434949-36-7 CAPLUS
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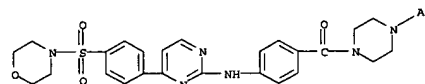


RN 434949-38-9 CAPLUS
 CN Piperazine, 1-[[4-[[4-(4-(morpholinylsulfonyl)phenyl)-2-pyrimidinyl]amino]benzoyl]-4-(2-oxo-2-(1-pyrrolidinyl)ethyl)- (9CI) (CA INDEX NAME)

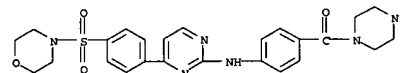
L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)
 CN Piperazine, 1-(2-furanylcarbonyl)-4-[[4-[[4-(4-(morpholinylsulfonyl)phenyl)-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



RN 434949-29-8 CAPLUS
 CN Piperazine, 1-acetyl-4-[[4-[[4-(4-(morpholinylsulfonyl)phenyl)-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



RN 434949-31-2 CAPLUS
 CN Piperazine, 1-[[4-[[4-(4-(morpholinylsulfonyl)phenyl)-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)

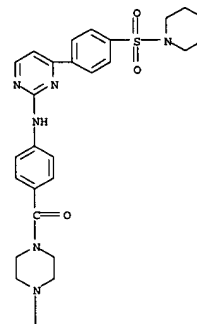


RN 434949-33-4 CAPLUS
 CN 1-Piperazineacetamide, N-(1-methylethyl)-4-[[4-[[4-(4-(morpholinylsulfonyl)phenyl)-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)

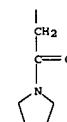


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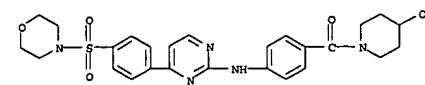
PAGE 1-A



PAGE 2-A



RN 434949-40-3 CAPLUS
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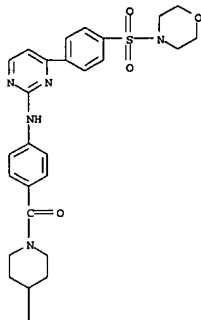


RN 434949-42-5 CAPLUS
 CN Piperidine, 1-[[4-[[4-(4-(morpholinylsulfonyl)phenyl)-2-pyrimidinyl]amino]benzoyl]-4-(1-pyrrolidinyl)- (9CI) (CA INDEX NAME)

4/11/2003

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)

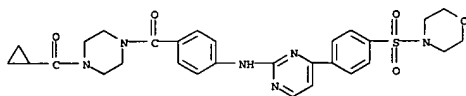
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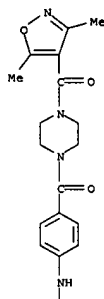


RN 434949-44-7 CAPLUS
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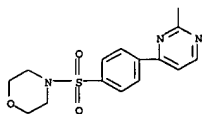


L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)

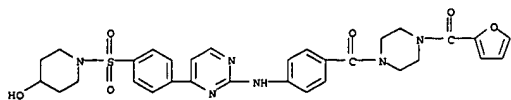
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PAGE 2-A



RN 434949-68-5 CAPLUS
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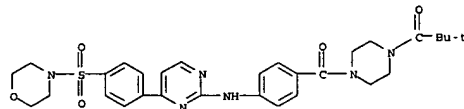


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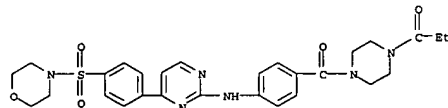
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L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)

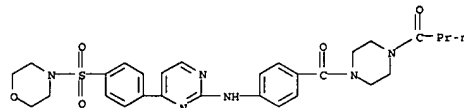
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 CN Piperazine, 1-((2,2-dimethyl-1-oxopropyl)-4-[[4-[(4-morpholinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl)- (9CI) (CA INDEX NAME)



RN 434949-50-5 CAPLUS
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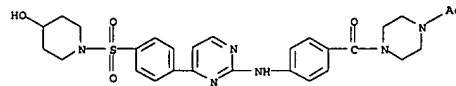


RN 434949-53-8 CAPLUS
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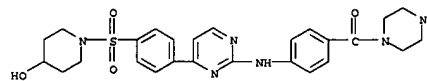


RN 434949-56-1 CAPLUS
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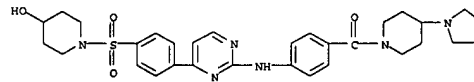
L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)
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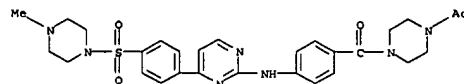
RN 434949-74-3 CAPLUS
 CN Piperazine, 1-[[4-[[4-[(4-hydroxy-1-piperidinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]-4-(1-oxopropyl)- (9CI) (CA INDEX NAME)



RN 434949-77-6 CAPLUS
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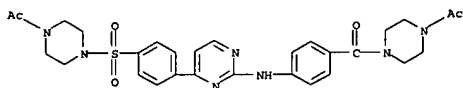
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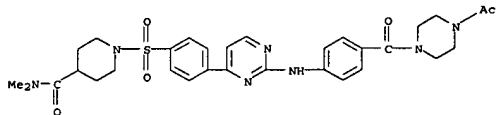
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4/11/2003

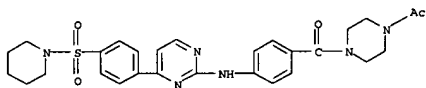
L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 434949-83-4 CAPLUS
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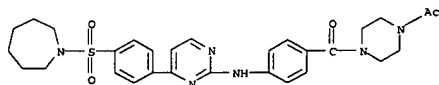


RN 434949-85-6 CAPLUS
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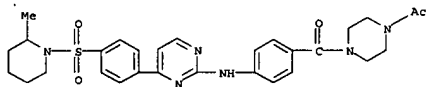


RN 434949-87-8 CAPLUS
 CN Piperazine, 1-acetyl-4-([4-([4-(1-pyrrolidinylsulfonyl)phenyl]-2-pyrimidinyl)amino]benzoyl)- (9CI) (CA INDEX NAME)

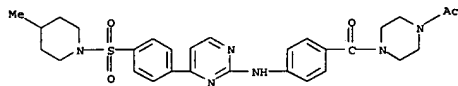
L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)



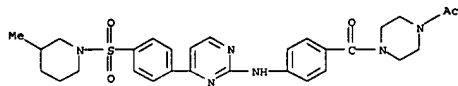
RN 434949-95-8 CAPLUS
 CN Piperazine, 1-acetyl-4-([4-([4-(2-methyl-1-piperidinylsulfonyl)phenyl]-2-pyrimidinyl)amino]benzoyl)- (9CI) (CA INDEX NAME)



RN 434949-96-9 CAPLUS
 CN Piperazine, 1-acetyl-4-([4-([4-(4-methyl-1-piperidinylsulfonyl)phenyl]-2-pyrimidinyl)amino]benzoyl)- (9CI) (CA INDEX NAME)

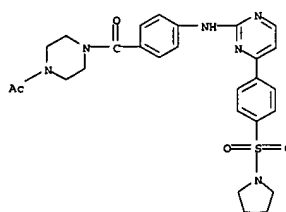


RN 434949-97-0 CAPLUS
 CN Piperazine, 1-acetyl-4-([4-([4-(3-methyl-1-piperidinylsulfonyl)phenyl]-2-pyrimidinyl)amino]benzoyl)- (9CI) (CA INDEX NAME)

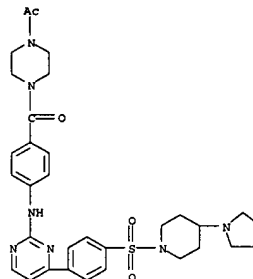


RN 434949-98-1 CAPLUS
 CN Piperazine, 1-acetyl-4-([4-([4-(3-hydroxy-1-piperidinylsulfonyl)phenyl]-2-pyrimidinyl)amino]benzoyl)- (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)

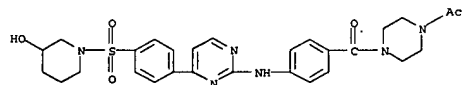


RN 434949-91-4 CAPLUS
 CN Piperazine, 1-acetyl-4-([4-([4-(1-pyrrolidinylsulfonyl)phenyl]-2-pyrimidinyl)amino]benzoyl)- (9CI) (CA INDEX NAME)

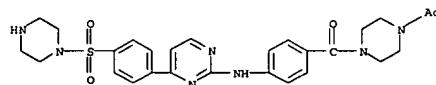


RN 434949-94-7 CAPLUS
 CN Piperazine, 1-acetyl-4-([4-([4-(1-hexahydro-1H-azepin-1-ylsulfonyl)phenyl]-2-pyrimidinyl)amino]benzoyl)- (9CI) (CA INDEX NAME)

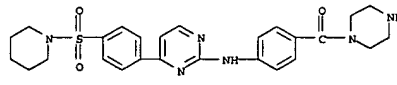
L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)



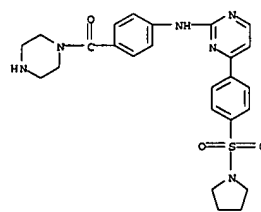
RN 434949-99-2 CAPLUS
 CN Piperazine, 1-acetyl-4-([4-([4-(1-piperazinylsulfonyl)phenyl]-2-pyrimidinyl)amino]benzoyl)- (9CI) (CA INDEX NAME)



RN 434950-03-5 CAPLUS
 CN Piperazine, 1-acetyl-4-([4-([4-(1-piperidinylsulfonyl)phenyl]-2-pyrimidinyl)amino]benzoyl)- (9CI) (CA INDEX NAME)



RN 434950-04-6 CAPLUS
 CN Piperazine, 1-acetyl-4-([4-([4-(1-pyrrolidinylsulfonyl)phenyl]-2-pyrimidinyl)amino]benzoyl)- (9CI) (CA INDEX NAME)



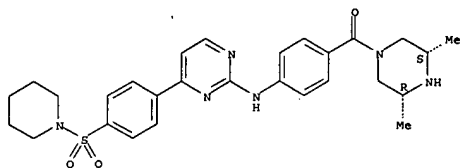
RN 434950-05-7 CAPLUS
 CN Piperazine, 3,5-dimethyl-1-([4-([4-(1-piperidinylsulfonyl)phenyl]-2-pyrimidinyl)amino]benzoyl)-, (3R,5S)-rel- (9CI) (CA INDEX NAME)

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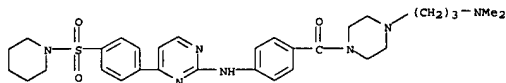
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L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)

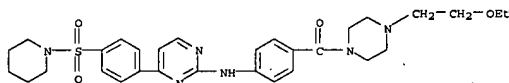
Relative stereochemistry.



RN 434950-06-8 CAPLUS
CN 1-Piperazinepropanamine, N,N-dimethyl-4-[[4-[[4-(1-piperidinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



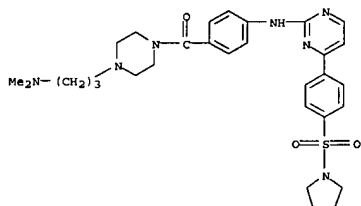
RN 434950-07-9 CAPLUS
CN Piperazine,
1-(2-ethoxyethyl)-4-[[4-[[4-(1-piperidinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



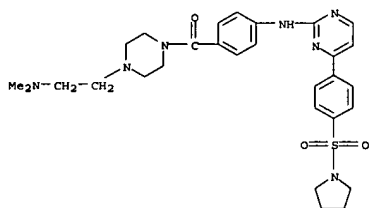
RN 434950-08-0 CAPLUS
CN Piperazine, 3,5-dimethyl-1-[[4-[[4-(1-pyrrolidinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]-, (3R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

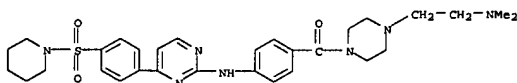
L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 434950-11-5 CAPLUS
CN 1-Piperazineethanamine, N,N-dimethyl-4-[[4-[[4-(1-pyrrolidinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



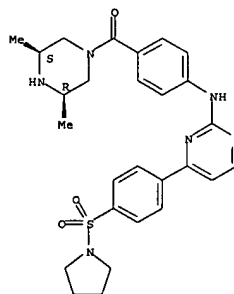
RN 434950-12-6 CAPLUS
CN 1-Piperazineethanamine, N,N-dimethyl-4-[[4-[[4-(1-piperidinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



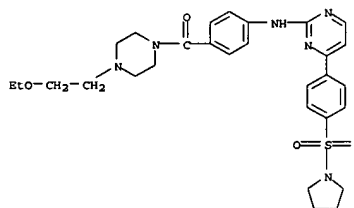
RN 434950-13-7 CAPLUS
CN Piperazine, 3,5-dimethyl-1-[[4-[[4-(4-morpholinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]-, (3R,5S)-rel- (9CI) (CA INDEX NAME)

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L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)



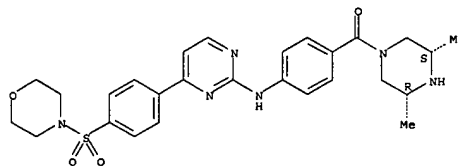
RN 434950-09-1 CAPLUS
CN Piperazine,
1-(2-ethoxyethyl)-4-[[4-[[4-(1-pyrrolidinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



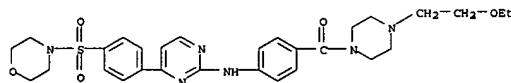
RN 434950-10-4 CAPLUS
CN 1-Piperazinepropanamine, N,N-dimethyl-4-[[4-[[4-(1-pyrrolidinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)

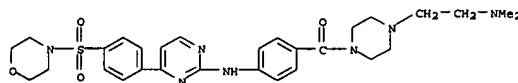
Relative stereochemistry.



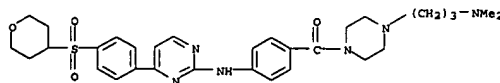
RN 434950-14-8 CAPLUS
CN Piperazine,
1-(2-ethoxyethyl)-4-[[4-[[4-(4-morpholinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



RN 434950-15-9 CAPLUS
CN 1-Piperazineethanamine, N,N-dimethyl-4-[[4-[[4-(4-morpholinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



RN 434950-33-1 CAPLUS
CN 1-Piperazinepropanamine,
N,N-dimethyl-4-[[4-[[4-[(tetrahydro-2H-pyran-4-yl)sulfonyl]phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)

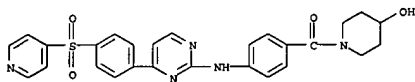


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L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)

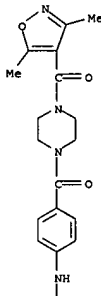
RN 434950-34-2 CAPLUS

CN 4-Piperidinol, 1-[4-[[4-(4-pyridinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



RN 434950-35-3 CAPLUS

CN Piperazine, 1-[(3,5-dimethyl-4-isoxazolyl)carbonyl]-4-[4-[[4-(4-pyridinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



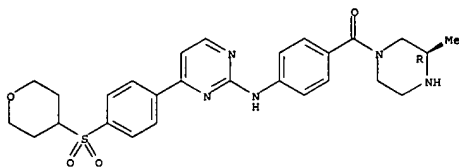
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L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 434950-39-7 CAPLUS

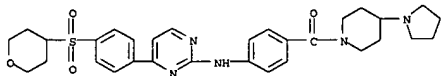
CN Piperazine, 3-methyl-1-[4-[[4-[(tetrahydro-2H-pyran-4-yl)sulfonyl]phenyl]-2-pyrimidinyl]amino]benzoyl]-, (3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



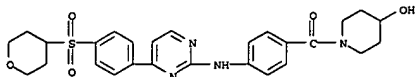
RN 434950-40-0 CAPLUS

CN Piperidine, 4-[(1-pyrrolidinyl)-1-[4-[[4-[(tetrahydro-2H-pyran-4-yl)sulfonyl]phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



RN 434950-41-1 CAPLUS

CN 4-Piperidinol, 1-[4-[[4-[(tetrahydro-2H-pyran-4-yl)sulfonyl]phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



RN 434950-42-2 CAPLUS

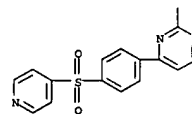
CN Piperazine, 1-[(3,5-dimethyl-4-isoxazolyl)carbonyl]-4-[4-[[4-[(tetrahydro-2H-pyran-4-yl)sulfonyl]phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



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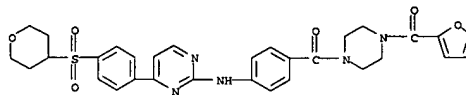
L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)

PAGE 2-A



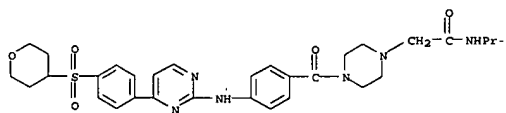
RN 434950-36-4 CAPLUS

CN Piperazine, 1-(2-furanylcarbonyl)-4-[4-[[4-[(tetrahydro-2H-pyran-4-yl)sulfonyl]phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



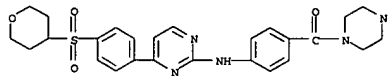
RN 434950-37-5 CAPLUS

CN 1-Piperazineacetamide, N-(1-methylethyl)-4-[4-[[4-[(tetrahydro-2H-pyran-4-yl)sulfonyl]phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



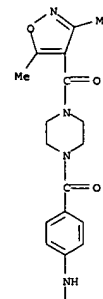
RN 434950-38-6 CAPLUS

CN Piperazine, 1-[4-[[4-[(tetrahydro-2H-pyran-4-yl)sulfonyl]phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)

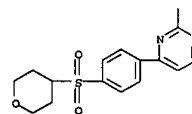


L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)

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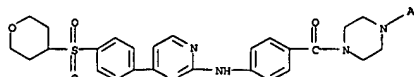


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RN 434950-43-3 CAPLUS

CN Piperazine, 1-acetyl-4-[4-[[4-[(tetrahydro-2H-pyran-4-yl)sulfonyl]phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)

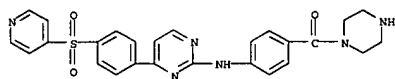


RN 434950-44-4 CAPLUS

CN Piperazine, 1-[4-[[4-[(4-pyridinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)

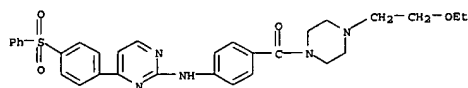
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L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)



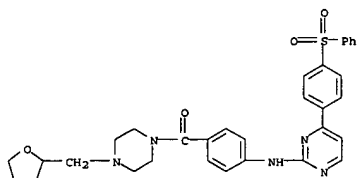
RN 434950-45-5 CAPLUS

CN Piperazine, 1-(2-ethoxyethyl)-4-[[4-[(4-(phenylsulfonyl)phenyl]-2-pyrimidinyl)amino]benzoyl]- (9CI) (CA INDEX NAME)



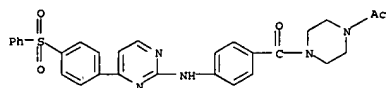
RN 434950-46-6 CAPLUS

CN Piperazine, 1-methyl-4-[[4-[(4-(phenylsulfonyl)phenyl]-2-pyrimidinyl)amino]benzoyl]-4-[(tetrahydro-2H-pyran-4-yl)methyl]- (9CI) (CA INDEX NAME)

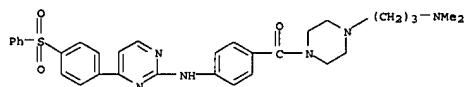


RN 434950-47-7 CAPLUS

CN Piperazine, 1-acetyl-4-[[4-[(4-(phenylsulfonyl)phenyl]-2-pyrimidinyl)amino]benzoyl]- (9CI) (CA INDEX NAME)

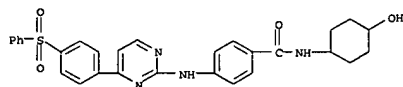


L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)



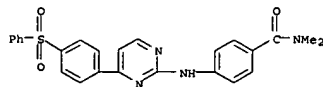
RN 434950-52-4 CAPLUS

CN Benzamide, N-(4-hydroxycyclohexyl)-4-[[4-[(4-(phenylsulfonyl)phenyl]-2-pyrimidinyl)amino]benzoyl]- (9CI) (CA INDEX NAME)



RN 434950-53-5 CAPLUS

CN Benzamide, N,N-dimethyl-4-[[4-[(4-(phenylsulfonyl)phenyl]-2-pyrimidinyl)amino]benzoyl]- (9CI) (CA INDEX NAME)



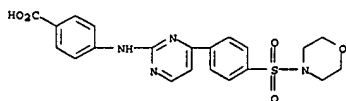
IT 434950-65-9P 434950-68-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. of anilino-pyrimidines as IKK inhibitors)

RN 434950-65-9 CAPLUS

CN Benzoic acid, 4-[[4-[(4-(morpholinylsulfonyl)phenyl]-2-pyrimidinyl)amino]benzoyl]- (9CI) (CA INDEX NAME)



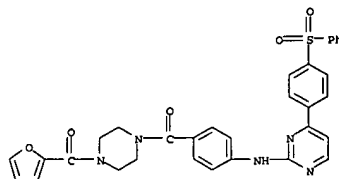
RN 434950-68-2 CAPLUS

CN Benzoic acid, 4-[[4-[(4-(tetrahydro-2H-pyran-4-yl)sulfonyl)phenyl]-2-pyrimidinyl)amino]benzoyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)

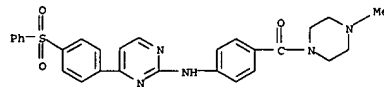
RN 434950-48-8 CAPLUS

CN Piperazine, 1-(2-furanylcarbonyl)-4-[[4-[(4-(phenylsulfonyl)phenyl]-2-pyrimidinyl)amino]benzoyl]- (9CI) (CA INDEX NAME)



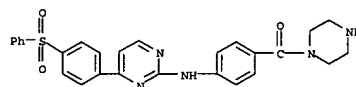
RN 434950-49-9 CAPLUS

CN Piperazine, 1-methyl-4-[[4-[(4-(phenylsulfonyl)phenyl]-2-pyrimidinyl)amino]benzoyl]- (9CI) (CA INDEX NAME)



RN 434950-50-2 CAPLUS

CN Piperazine, 1-methyl-4-[[4-[(4-(phenylsulfonyl)phenyl]-2-pyrimidinyl)amino]benzoyl]-, dihydrochloride (9CI) (CA INDEX NAME)

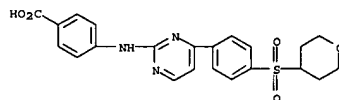


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RN 434950-51-3 CAPLUS

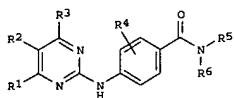
CN 1-Piperazinepropanamine, N,N-dimethyl-4-[[4-[(4-(phenylsulfonyl)phenyl]-2-pyrimidinyl)amino]benzoyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)



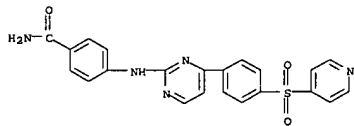
L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2002:449661 CAPLUS
 DOCUMENT NUMBER: 137:33309
 TITLE: Preparation of anilinothymidines as JNK pathway inhibitors
 INVENTOR(S): Kois, Adam; MacFarlane, Karen J.; Satoh, Yoshitake; Bhagwat, Shripad S.; Parnes, Jason S.; Palanki, Moorthy S. S.; Erdman, Paul E.
 PATENT ASSIGNEE(S): Signal Pharmaceuticals, Inc., USA
 SOURCE: PCT Int. Appl., 199 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002046170	A2	20020613	WO 2001-US46402	20011205
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002027214	A5	20020618	AU 2002-27214	20011205
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OTHER SOURCE(S):			MARPAT 137:33309	
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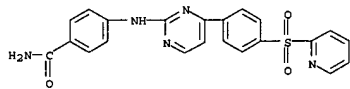


AB The title compds. [I; R1 = (un)substituted (hetero)aryl; R2 = H; R3 = H, alkyl; R4 = halo, OH, alkyl, alkoxy; R5, R6 = R8, (CH2)aCOR9, (CH2)aCO2R9, etc.; or NR5R6 = (un)substituted heterocycle; R8, R9 = H, alkyl, aryl, etc.; a = 0-4] having activity as inhibitors of the JNK pathway, were prepd. E.g., a multi-step synthesis of I [R1 = 4-ClC6H4; R2-R6 = H] having an IC50 of .ltoreq. 10 .mu.M in the JNK2 assay, was given. Such compds. I have utility in the treatment of a wide range of conditions that are responsive to inhibition of the JNK pathway. Thus, methods of treating such conditions are also disclosed, as are pharmaceutical compns.

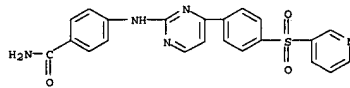
L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)



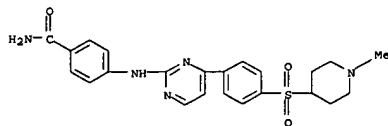
RN 434944-92-0 CAPLUS
 CN Benzamide, 4-[[4-[(2-pyridinylsulfonyl)phenyl]-2-pyrimidinylamino]- (9CI) (CA INDEX NAME)



RN 434944-96-4 CAPLUS
 CN Benzamide, 4-[[4-[(3-pyridinylsulfonyl)phenyl]-2-pyrimidinylamino]- (9CI) (CA INDEX NAME)



RN 434944-99-7 CAPLUS
 CN Benzamide, 4-[[4-[(1-methyl-4-piperidinylsulfonyl)phenyl]-2-pyrimidinylamino]- (9CI) (CA INDEX NAME)



RN 434945-00-3 CAPLUS
 CN Benzamide, 4-[[4-[(1-methyl-4-piperidinylsulfonyl)phenyl]-2-pyrimidinylamino]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

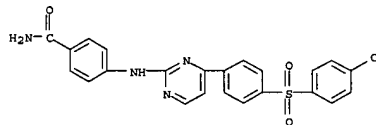
Habte

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)
 contg. one or more compds. of the above compds.

IT 434944-90-8P 434944-91-9P 434944-92-0P
 434944-96-4P 434944-99-7P 434945-00-3P
 434945-01-4P 434945-04-7P 434945-05-8P
 434945-27-4P 434945-75-2P 434945-76-3P
 434945-28-7P 434945-29-8P 434945-31-2P
 434945-33-4P 434945-35-6P 434945-36-7P
 434945-38-9P 434945-40-3P 434945-42-5P
 434945-44-7P 434945-47-0P 434945-50-5P
 434945-53-8P 434945-56-1P 434945-68-5P
 434945-71-0P 434945-74-3P 434945-77-6P
 434945-79-8P 434945-81-2P 434945-83-4P
 434945-85-6P 434945-87-8P 434945-91-4P
 434945-94-7P 434945-95-8P 434945-96-9P
 434945-97-0P 434945-98-1P 434945-99-2P
 434950-03-5P 434950-04-6P 434950-05-7P
 434950-06-8P 434950-07-9P 434950-08-0P
 434950-09-1P 434950-10-4P 434950-11-5P
 434950-12-6P 434950-13-7P 434950-14-8P
 434950-15-9P 434950-13-1P 434950-34-2P
 434950-35-3P 434950-36-4P 434950-37-5P
 434950-38-6P 434950-39-7P 434950-40-0P
 434950-41-1P 434950-42-2P 434950-43-3P
 434950-44-4P 434950-45-5P 434950-46-6P
 434950-47-7P 434950-48-8P 434950-49-9P
 434950-50-2P 434950-51-3P 434950-52-4P
 434950-53-5P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

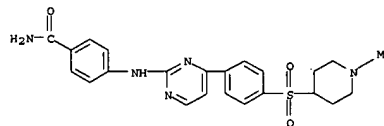
(prepn. of anilinothymidines as JNK pathway inhibitors)
 RN 434944-90-8 CAPLUS
 CN Benzamide, 4-[[4-[(4-chlorophenyl)sulfonyl]phenyl]-2-pyrimidinylamino]- (9CI) (CA INDEX NAME)



RN 434944-91-9 CAPLUS
 CN Benzamide, 4-[[4-[(4-pyridinylsulfonyl)phenyl]-2-pyrimidinylamino]- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)

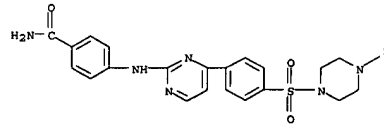
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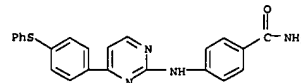
CM 2
 CRN 76-05-1
 CMF C2 H F3 O2



RN 434945-01-4 CAPLUS
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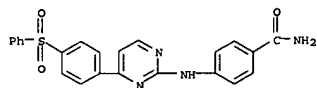


RN 434945-04-7 CAPLUS
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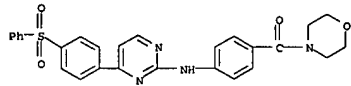


4/11/2003

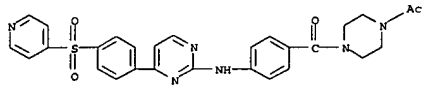
L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)
 RN 434945-05-8 CAPLUS
 CN Benzamide, 4-[[4-[4-(phenylsulfonyl)phenyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



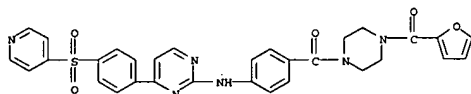
RN 434945-27-4 CAPLUS
 CN Morpholine, 4-[[4-[4-(phenylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



RN 434945-75-2 CAPLUS
 CN Piperazine, 1-acetyl-4-[[4-[4-(4-pyridinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)

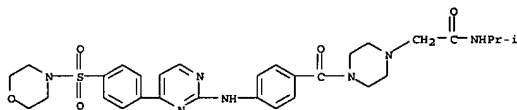


RN 434945-76-3 CAPLUS
 CN Piperazine, 1-(2-furanylcarbonyl)-4-[[4-[4-(4-pyridinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



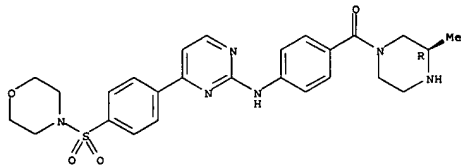
RN 434949-28-7 CAPLUS

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)

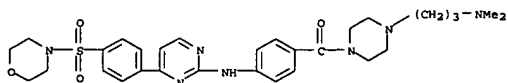


RN 434949-35-6 CAPLUS
 CN Piperazine, 3-methyl-1-[[4-[4-(4-morpholinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]-, (3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

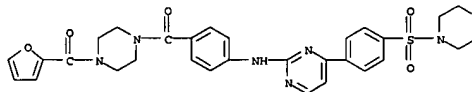


RN 434949-36-7 CAPLUS
 CN 1-Piperazinepropanamine, N,N-dimethyl-4-[[4-[4-(4-morpholinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)

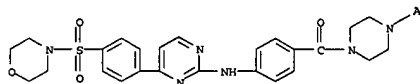


RN 434949-38-9 CAPLUS
 CN Piperazine, 1-[[4-[4-(4-morpholinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]-4-[2-oxo-2-(1-pyrrolidinyl)ethyl]- (9CI) (CA INDEX NAME)

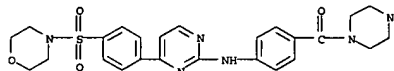
L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)
 CN Piperazine, 1-(2-furanylcarbonyl)-4-[[4-[4-(4-morpholinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



RN 434949-29-8 CAPLUS
 CN Piperazine, 1-acetyl-4-[[4-[4-(4-morpholinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



RN 434949-31-2 CAPLUS
 CN Piperazine, 1-[[4-[4-(4-morpholinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)

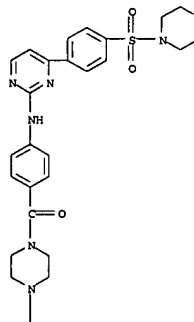


RN 434949-33-4 CAPLUS
 CN 1-Piperazineacetamide, N-(1-methylethyl)-4-[[4-[4-(4-morpholinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)

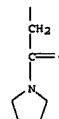


L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)

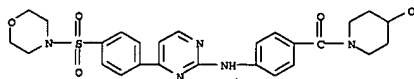
PAGE 1-A



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RN 434949-40-3 CAPLUS
 CN 4-Piperidinol, 1-[[4-[4-(4-morpholinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



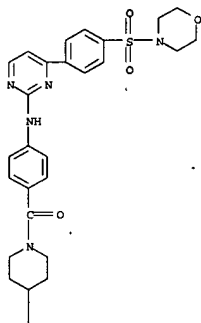
RN 434949-42-5 CAPLUS
 CN Piperidine, 1-[[4-[4-(4-morpholinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]-4-(1-pyrrolidinyl)- (9CI) (CA INDEX NAME)

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L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)

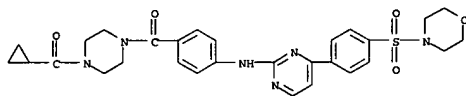
PAGE 1-A



PAGE 2-A

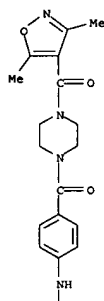


RN 434949-44-7 CAPLUS
CN Piperazine, 1-((cyclopropylcarbonyl)-4-[[4-[[4-(4-morpholinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]-4-(1-oxopropyl))-9CI (CA INDEX NAME)

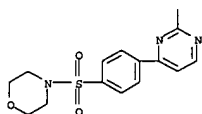


L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)

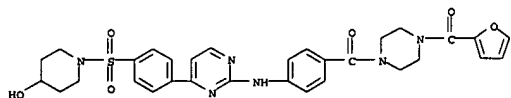
PAGE 1-A



PAGE 2-A



RN 434949-68-5 CAPLUS
CN Piperazine, 1-((2-furanylcarbonyl)-4-[[4-[[4-(4-hydroxy-1-piperidinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]-4-(1-oxopropyl))-9CI (CA INDEX NAME)

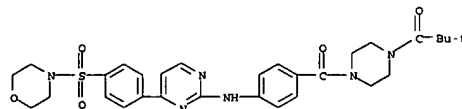


RN 434949-71-0 CAPLUS
CN Piperazine, 1-acetyl-4-[[4-[[4-[[4-(4-hydroxy-1-

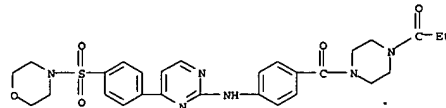
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L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)

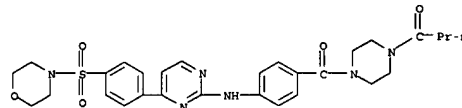
RN 434949-47-0 CAPLUS
CN Piperazine, 1-((2,2-dimethyl-1-oxopropyl)-4-[[4-[[4-(4-morpholinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]-4-(1-oxopropyl))-9CI (CA INDEX NAME)



RN 434949-50-5 CAPLUS
CN Piperazine, 1-[[4-[[4-[[4-(4-morpholinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]-4-(1-oxopropyl))-9CI (CA INDEX NAME)

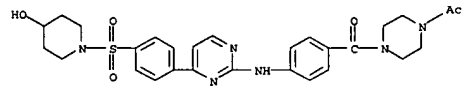


RN 434949-53-8 CAPLUS
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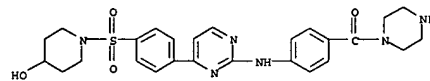


RN 434949-56-1 CAPLUS
CN Piperazine, 1-[[3,5-dimethyl-4-isoxazolyl]carbonyl]-4-[[4-[[4-(4-morpholinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]-9CI (CA INDEX NAME)

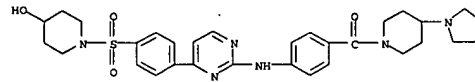
L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)
piperidinylsulfonyl]phenyl]-2-pyrimidinyl]amino]benzoyl]-9CI (CA INDEX NAME)



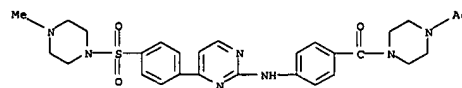
RN 434949-74-3 CAPLUS
CN Piperazine, 1-[[4-[[4-[[4-(4-hydroxy-1-piperidinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]-4-(1-oxopropyl))-9CI (CA INDEX NAME)



RN 434949-77-6 CAPLUS
CN Piperidine, 1-[[4-[[4-[[4-(4-hydroxy-1-piperidinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]-4-(1-pyrrolidinyl))-9CI (CA INDEX NAME)



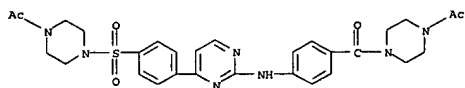
RN 434949-79-8 CAPLUS
CN Piperazine, 1-acetyl-4-[[4-[[4-[[4-(4-methyl-1-piperazinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]-4-(1-oxopropyl))-9CI (CA INDEX NAME)



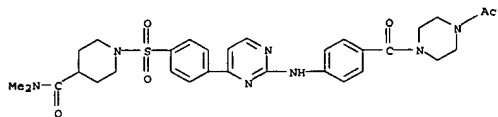
RN 434949-81-2 CAPLUS
CN Piperazine, 1-acetyl-4-[[4-[[2-[[4-[[4-(4-acetyl-1-piperazinylsulfonyl)phenyl]amino]-4-pyrimidinyl]phenyl]sulfonyl]-9CI (CA INDEX NAME)

4/11/2003

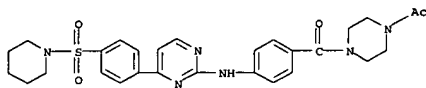
L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 434949-83-4 CAPLUS
CN 4-Piperidinecarboxamide, 1-[[4-[2-[[4-[1-[[4-acetyl-1-piperazinyl]carbonyl]phenyl]amino]-4-pyrimidinyl]phenyl]sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)

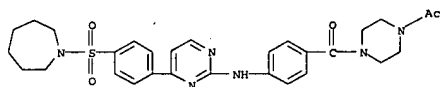


RN 434949-85-6 CAPLUS
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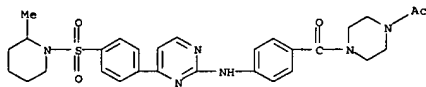


RN 434949-87-8 CAPLUS
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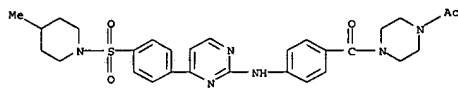
L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)



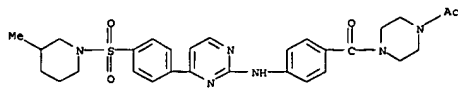
RN 434949-95-8 CAPLUS
CN Piperazine,
1-acetyl-4-[4-[[4-[(2-methyl-1-piperidinyl)sulfonyl]phenyl]-
2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



RN 434949-96-9 CAPLUS
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1-acetyl-4-[[4-[[4-[[4-methyl-1-piperidiny]sulfonyl]phenyl]-
2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)

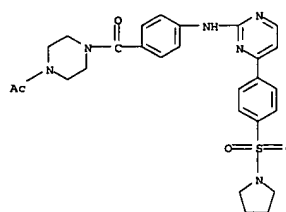


RN 434949-97-0 CAPLUS
CN Piperazine,
1-acetyl-4-{4-[[4-{(3-methyl-1-piperidinyl)sulfonyl}phenyl]-
2-pyrimidinyl]amino}benzoyl)- (9CI) (CA INDEX NAME)

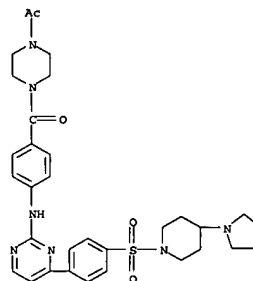


RN 434949-98-1 CAPLUS
CN Piperazine, 1-acetyl-4-[4-{4-[4-{3-hydroxy-1-piperidinyl}sulfonyl]phenyl}-2-pyrimidinyl]amino benzoyl)- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)

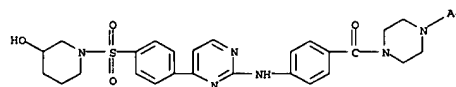


RN 434949-91-4 CAPLUS
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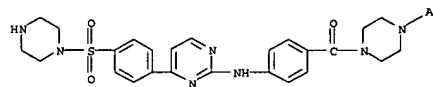


RN 434949-94-7 CAPLUS
CN Piperazine, 1-acetyl-4-[4-[[4-[4-[(hexahydro-1H-azepin-1-yl)sulfonyl]phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)

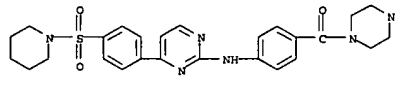
L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)



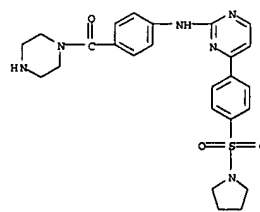
RN 434949-99-2 CAPLUS
CN Piperazine, 1-acetyl-4-[[4-[[4-(1-piperazinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



RN 434950-03-5 CAPLUS
CN Piperazine, 1-[4-[[4-(1-piperidinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl)- (9CI) (CA INDEX NAME)



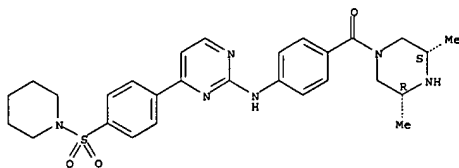
RN 434950-04-6 CAPLUS
CN Piperazine, 1-[4-[(4-[4-(1-pyrrolidinylsulfonyl)phenyl]-2-pyrimidinyl)amino]benzoyl]- (9CI) (CA INDEX NAME)



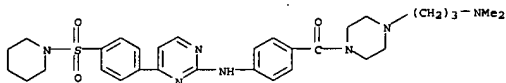
RN 434950-05-7 CAPLUS
CN Piperazine, 3,5-dimethyl-1-[4-[[4-[4-(1-piperidinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]-, (3R,5S)-rel- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)

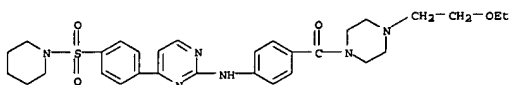
Relative stereochemistry.



RN 434950-06-8 CAPLUS
 CN 1-Piperazinepropanamine, N,N-dimethyl-4-[[4-[[4-(1-piperidinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



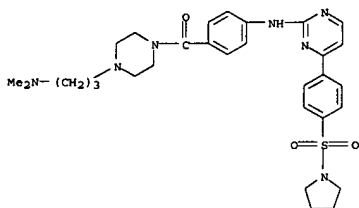
RN 434950-07-9 CAPLUS
 CN Piperazine, 1-(2-ethoxyethyl)-4-[[4-[[4-(1-piperidinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



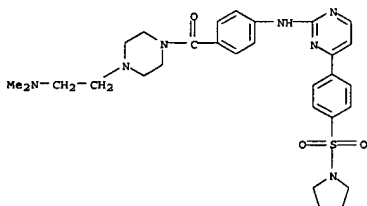
RN 434950-08-0 CAPLUS
 CN Piperazine, 3,5-dimethyl-1-[[4-[[4-(1-pyrrolidinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]-, (3R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

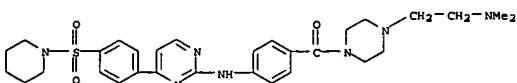
L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 434950-11-5 CAPLUS
 CN 1-Piperazineethanamine, N,N-dimethyl-4-[[4-[[4-(1-pyrrolidinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



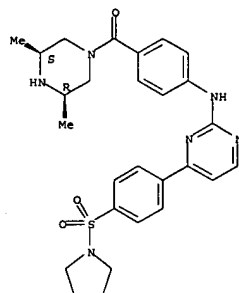
RN 434950-12-6 CAPLUS
 CN 1-Piperazineethanamine, N,N-dimethyl-4-[[4-[[4-(1-piperidinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



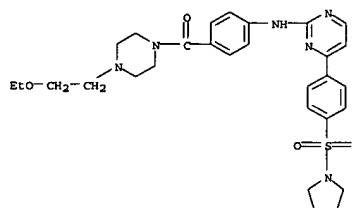
RN 434950-13-7 CAPLUS
 CN Piperazine, 3,5-dimethyl-1-[[4-[[4-(4-morpholinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]-, (3R,5S)-rel- (9CI) (CA INDEX NAME)

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L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)



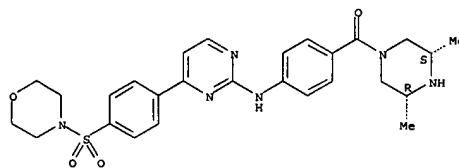
RN 434950-09-1 CAPLUS
 CN Piperazine, 1-(2-ethoxyethyl)-4-[[4-[[4-(1-pyrrolidinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



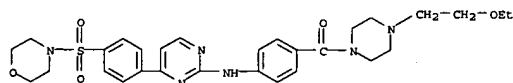
RN 434950-10-4 CAPLUS
 CN 1-Piperazinepropanamine, N,N-dimethyl-4-[[4-[[4-(1-pyrrolidinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)

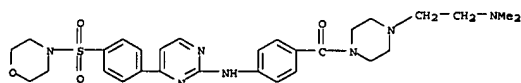
Relative stereochemistry.



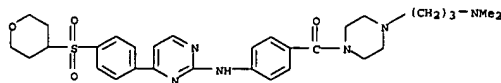
RN 434950-14-8 CAPLUS
 CN Piperazine, 1-(2-ethoxyethyl)-4-[[4-[[4-(4-morpholinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



RN 434950-15-9 CAPLUS
 CN 1-Piperazineethanamine, N,N-dimethyl-4-[[4-[[4-(4-morpholinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



RN 434950-33-1 CAPLUS
 CN 1-Piperazinepropanamine, N,N-dimethyl-4-[[4-[[4-[(tetrahydro-2H-pyran-4-yl)sulfonyl]phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)

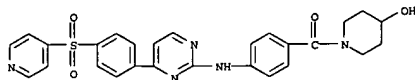


4/11/2003

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)

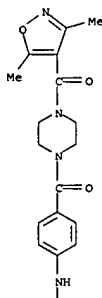
RN 434950-34-2 CAPLUS

CN 4-Piperidinol, 1-[4-[[4-(4-pyridinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



RN 434950-35-3 CAPLUS

CN Piperazine, 1-[(3,5-dimethyl-4-isoxazolyl)carbonyl]-4-[4-[[4-(4-pyridinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



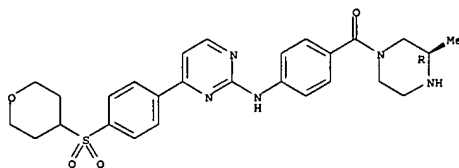
PAGE 1-A

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)

RN 434950-39-7 CAPLUS

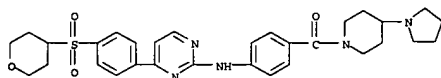
CN Piperazine, 3-methyl-1-[4-[[4-[(tetrahydro-2H-pyran-4-yl)sulfonyl]phenyl]-2-pyrimidinyl]amino]benzoyl]-, (3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



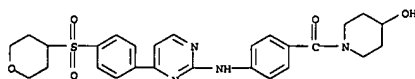
RN 434950-40-0 CAPLUS

CN Piperidine, 4-(1-pyrrolidinyl)-1-[4-[[4-[(tetrahydro-2H-pyran-4-yl)sulfonyl]phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



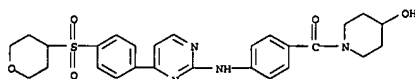
RN 434950-41-1 CAPLUS

CN 4-Piperidinol, 1-[4-[[4-[(tetrahydro-2H-pyran-4-yl)sulfonyl]phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



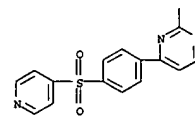
RN 434950-42-2 CAPLUS

CN Piperazine, 1-[(3,5-dimethyl-4-isoxazolyl)carbonyl]-4-[4-[[4-[(tetrahydro-2H-pyran-4-yl)sulfonyl]phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



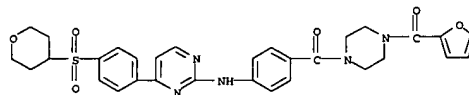
L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)

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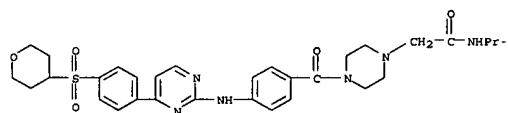
RN 434950-36-4 CAPLUS

CN Piperazine, 1-(2-furanylcarbonyl)-4-[4-[[4-[(tetrahydro-2H-pyran-4-yl)sulfonyl]phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



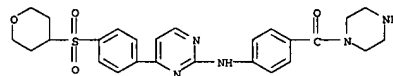
RN 434950-37-5 CAPLUS

CN 1-Piperazineacetamide, N-(1-methylethyl)-4-[4-[[4-[(tetrahydro-2H-pyran-4-yl)sulfonyl]phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



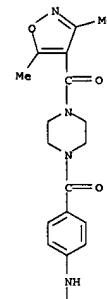
RN 434950-38-6 CAPLUS

CN Piperazine, 1-[4-[[4-[(tetrahydro-2H-pyran-4-yl)sulfonyl]phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)

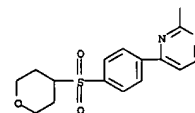


L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)

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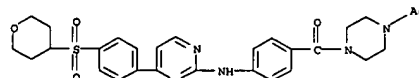


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RN 434950-43-3 CAPLUS

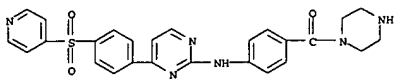
CN Piperazine, 1-acetyl-4-[4-[[4-[(tetrahydro-2H-pyran-4-yl)sulfonyl]phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)



RN 434950-44-4 CAPLUS

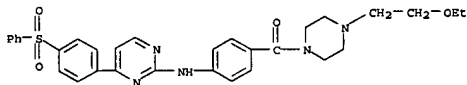
CN Piperazine, 1-[4-[[4-[(4-pyridinylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)



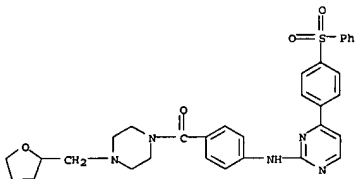
RN 434950-45-5 CAPLUS

CN Piperazine, 1-(2-ethoxyethyl)-4-[[4-[(4-phenylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl- (9CI) (CA INDEX NAME)



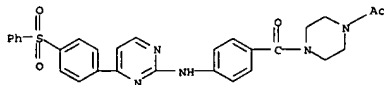
RN 434950-46-6 CAPLUS

CN Piperazine, 1-methyl-4-[[4-[(4-phenylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl-4-[(tetrahydro-2-furanyl)methyl]- (9CI) (CA INDEX NAME)

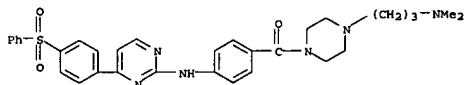


RN 434950-47-7 CAPLUS

CN Piperazine, 1-acetyl-4-[[4-[(4-phenylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl- (9CI) (CA INDEX NAME)

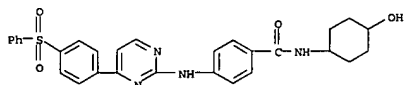


L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)



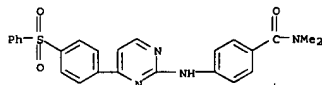
RN 434950-52-4 CAPLUS

CN Benzamide, N-(4-hydroxycyclohexyl)-4-[[4-[(4-phenylsulfonyl)phenyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



RN 434950-53-5 CAPLUS

CN Benzamide, N,N-dimethyl-4-[[4-[(4-phenylsulfonyl)phenyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



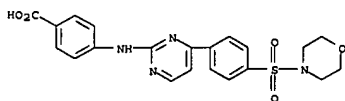
IT 434950-65-9P 434950-68-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. of anilinoypyrimidines as JNK pathway inhibitors)

RN 434950-65-9 CAPLUS

CN Benzoic acid, 4-[[4-[(4-morpholinylsulfonyl)phenyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)



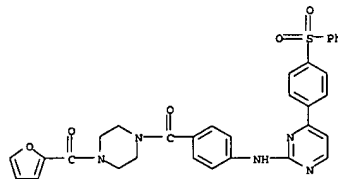
RN 434950-68-2 CAPLUS

CN Benzoic acid, 4-[[4-[(4-[(tetrahydro-2H-pyran-4-yl)sulfonyl]phenyl]-2-pyrimidinyl]amino]- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)

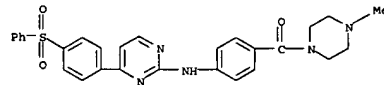
RN 434950-48-8 CAPLUS

CN Piperazine, 1-(2-furanylcarbonyl)-4-[[4-[(4-phenylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl- (9CI) (CA INDEX NAME)



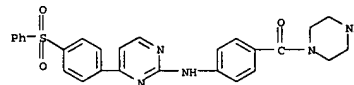
RN 434950-49-9 CAPLUS

CN Piperazine, 1-methyl-4-[[4-[(4-phenylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl- (9CI) (CA INDEX NAME)



RN 434950-50-2 CAPLUS

CN Piperazine, 1-[[4-[(4-phenylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl-, dihydrochloride (9CI) (CA INDEX NAME)

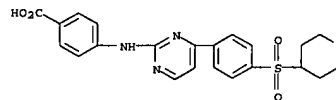


● 2 HCl

RN 434950-51-3 CAPLUS

CN 1-Piperazinepropanamine, N,N-dimethyl-4-[[4-[(4-phenylsulfonyl)phenyl]-2-pyrimidinyl]amino]benzoyl- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)



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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

9.49

157.85

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-1.30

-1.30

STN INTERNATIONAL LOGOFF AT 14:47:31 ON 11 APR 2003